

Application Number: 10/729954
Art unit: 2612

Listing of Claims

This listing of claims replaces all prior versions, and listings, of claims in the application:

Claims 1-6 (Cancelled)

7. (New) A code generating device comprises:
A power supply;
A plurality of depressible buttons, wherein the depressible buttons are electronically connected to each other;
A micro-circuit unit (MCU);
An encoder address storage memory electronically connecting to the micro-circuit unit;
A reset button electronically connecting to the micro-circuit unit;
A radio-frequency generator electronically connecting to the micro-circuit unit;
A radio-frequency receiver electronically connecting to the micro-circuit unit;
A set of warning lamps electronically connecting to the micro-circuit unit.

8. (New) The code generating device of claim 7, wherein the depressible buttons comprises first button, second button, third button, and fourth button; and the first button, the second button, the third button, and the fourth button are all electronically connected to the micro-circuit unit; and the first button generates a first code when the first button is depressed; and the second button generates a second code when the second button is depressed; and the third button generates a third code when the third button is depressed; and the fourth button generates a fourth code when the fourth button is depressed.

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9. (New) The code generating device of claim 8, wherein the first code and the second code and the third code and the fourth code are encoded into a 32-bit code; and the 32-bit code is further encoded with a status code to be a scramble code for transmission.
10. (New) The code generating device of claim 9, wherein the first button, the second button, the third button, and the fourth button each generates a new code when each button is depressed respectfully.
11. (New) The code generating device of claim 7, wherein the first button and the second button and the third button are depressed simultaneously to generate a scramble code for transmission.
12. (New) The code generating device of claim 7, wherein the first button and the third button are depressed simultaneously to set the code generating device to be a learning mode.
13. (New) The code generating device of claim 12, wherein the learning mode activates the power supply for code generations.
14. (New) The code generating device of claim 12, wherein the learning mode includes determinations of time duration of button depression when the first button or the third button is depressed.
15. (New) The code generating device of claim 7, wherein the first button and the second button are depressed simultaneously to set the code generating device to be a quick encoding mode.

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16. (New) The code generating device of claim 15, wherein the quick encoding mode activates the warning lamps when the first button and the second button are not depressed again within 30 seconds; and the code generating device generates a scramble code when the first button and the second button are depressed again within 30 seconds.
17. (New) A method of operating a code generating device wherein the code generating device comprises:
- A power supply;
 - A plurality of depressible buttons, wherein the depressible buttons are electronically connected to each other;
 - A micro-circuit unit (MCU);
 - An encoder address storage memory electronically connecting to the micro-circuit unit;
 - A reset button electronically connecting to the micro-circuit unit;
 - A radio-frequency generator electronically connecting to the micro-circuit unit;
 - A radio-frequency receiver electronically connecting to the micro-circuit unit;
 - A set of warning lamps electronically connecting to the micro-circuit unit.
18. (New) The method of operating the code generating device of claim 17, wherein the depressible buttons comprises first button, second button, third button, and fourth button; and the first button, the second button, the third button, and the fourth button are all electronically connected to the micro-circuit unit; and the first button generates a first code when the first button is depressed; and the second button generates a second code when the second button is depressed; and the third button generates a third code when the third button is depressed; and

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the fourth button generates a fourth code when the fourth button is depressed.

19. (New) The method of operating the code generating device of claim 18, wherein the first code and the second code and the third code and the fourth code are encoded into a 32-bit code; and the 32-bit code is further encoded with a status code to be a scramble code for transmission.
20. (New) The method of operating the code generating device of claim 19, wherein the first button, the second button, the third button, and the fourth button each generates a new code when each button is depressed respectfully.
21. (New) The method of operating the code generating device of claim 17, wherein the first button and the second button and the third button are depressed simultaneously to generate a scramble code for transmission.
22. (New) The method of operating the code generating device of claim 17, wherein the first button and the third button are depressed simultaneously to set the code generating device to be a learning mode.
23. (New) The method of operating the code generating device of claim 22, wherein the learning mode activates the power supply for code generations.
24. (New) The method of operating the code generating device of claim 22, wherein the learning mode includes determinations of time duration of button depression when the first button or the third button is depressed.
25. (New) The method of operating the code generating device of claim 17, wherein the first button and the second button are depressed simultaneously to set the code generating device to be a quick encoding mode.

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26. (New) The method of operating the code generating device of claim 25, wherein the quick encoding mode activates the warning lamps when the first button and the second button are not depressed again within 30 seconds; and the code generating device generates a scramble code when the first button and the second button are depressed again within 30 seconds.